Ohri Testing Center

Exam 2018-01-10

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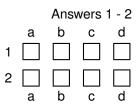
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- 1. *(1 point)* A box contains 15 green and 10 yellow balls. If 10 balls are randomly drawn, oneby-one, with replacement, then the variance of the number of green balls drawn is :
 - (a) 6/25
 - (b) 4
 - (c) 12/5
 - (d) 6
- 2. (1 point) An observer is moving with half the speed of light towards a stationary microwave source emitting waves at frequency 10 GHz. What is the frequency of the microwave measured by the observer ?(speed of light 3×10^8 m/s)
 - (a) 12.1GHz
 - (b) 15.3GHz
 - (c) 17.3GHz
 - (d) 10.1GHz

Exam: 18011000001